

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073914.D
 Acq On : 15 Aug 2022 23:40
 Operator : JC\MD
 Sample : VN0815WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS02

Quant Time: Aug 16 01:40:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/16/2022
 Supervised By : Mahesh Dadoda 08/16/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.016	168	585023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	880783	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	776926	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	379528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	311751	54.711	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.420%			
35) Dibromofluoromethane	7.951	113	278512	53.469	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.940%			
50) Toluene-d8	10.380	98	1046800	51.890	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.780%			
62) 4-Bromofluorobenzene	12.669	95	345808	51.650	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.300%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	93011	20.051	ug/l	97
3) Chloromethane	2.269	50	105441	20.441	ug/l	100
4) Vinyl Chloride	2.405	62	133169	20.109	ug/l	100
5) Bromomethane	2.804	94	86056	20.810	ug/l	99
6) Chloroethane	2.969	64	88545	18.927	ug/l	98
7) Trichlorofluoromethane	3.316	101	173028	20.255	ug/l	97
8) Diethyl Ether	3.763	74	64078	20.207	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.146	101	96138	19.373	ug/l	92
10) Methyl Iodide	4.351	142	110079	18.477	ug/l	96
11) Tert butyl alcohol	5.287	59	137692	108.030	ug/l	99
12) 1,1-Dichloroethene	4.116	96	92260	19.982	ug/l	85
13) Acrolein	3.975	56	99658	111.705	ug/l	97
14) Allyl chloride	4.763	41	131843	19.281	ug/l	96
15) Acrylonitrile	5.475	53	324249	104.201	ug/l	100
16) Acetone	4.222	43	284409	105.795	ug/l	98
17) Carbon Disulfide	4.457	76	208962	19.034	ug/l	98
18) Methyl Acetate	4.781	43	154785	21.592	ug/l	97
19) Methyl tert-butyl Ether	5.540	73	338520	20.357	ug/l	95
20) Methylene Chloride	5.016	84	110692	19.513	ug/l	93
21) trans-1,2-Dichloroethene	5.516	96	99980	19.655	ug/l	93
22) Diisopropyl ether	6.410	45	299805	20.678	ug/l	96
23) Vinyl Acetate	6.351	43	1287880	103.656	ug/l	98
24) 1,1-Dichloroethane	6.310	63	180287	19.977	ug/l	96
25) 2-Butanone	7.257	43	451308	105.877	ug/l	97
26) 2,2-Dichloropropane	7.245	77	119114	14.048	ug/l	99
27) cis-1,2-Dichloroethene	7.251	96	122138	19.461	ug/l	91
28) Bromochloromethane	7.581	49	68366	20.539	ug/l	85
29) Tetrahydrofuran	7.610	42	294142	107.573	ug/l	96
30) Chloroform	7.745	83	199609	19.780	ug/l	99
31) Cyclohexane	8.022	56	157842	19.871	ug/l #	90
32) 1,1,1-Trichloroethane	7.945	97	180976	20.223	ug/l	96
36) 1,1-Dichloropropene	8.151	75	139982	19.348	ug/l	98
37) Ethyl Acetate	7.339	43	174436	19.901	ug/l	98
38) Carbon Tetrachloride	8.134	117	155040	18.748	ug/l	95
39) Methylcyclohexane	9.392	83	169339	18.680	ug/l	98
40) Benzene	8.392	78	438131	19.187	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	82764	20.894	ug/l	96
42) 1,2-Dichloroethane	8.463	62	154820	19.719	ug/l	98
43) Isopropyl Acetate	8.492	43	249758	20.002	ug/l	97
44) Trichloroethene	9.151	130	124264	18.841	ug/l	95
45) 1,2-Dichloropropane	9.428	63	105863	19.342	ug/l	99
46) Dibromomethane	9.516	93	81653	19.623	ug/l	93
47) Bromodichloromethane	9.698	83	150551	18.929	ug/l	95
48) Methyl methacrylate	9.498	41	108631	20.332	ug/l	89
49) 1,4-Dioxane	9.504	88	64942	408.738	ug/l	92
51) 4-Methyl-2-Pentanone	10.269	43	868367	102.861	ug/l	100
52) Toluene	10.445	92	287146	18.339	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	153713	18.418	ug/l	99
54) cis-1,3-Dichloropropene	10.128	75	168467	18.449	ug/l	99
55) 1,1,2-Trichloroethane	10.839	97	121121	19.886	ug/l	97
56) Ethyl methacrylate	10.704	69	178116	20.503	ug/l	98
57) 1,3-Dichloropropane	10.986	76	192931	19.481	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	404217	99.698	ug/l	96
59) 2-Hexanone	11.027	43	673333	103.635	ug/l	100
60) Dibromochloromethane	11.180	129	130537	19.380	ug/l	97
61) 1,2-Dibromoethane	11.286	107	124055	19.042	ug/l	97
64) Tetrachloroethene	10.916	164	113692	18.540	ug/l	95
65) Chlorobenzene	11.710	112	321196	19.453	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.786	131	122133	19.533	ug/l	98
67) Ethyl Benzene	11.786	91	531212	19.345	ug/l	99
68) m/p-Xylenes	11.892	106	427554	38.321	ug/l	96
69) o-Xylene	12.222	106	216845	19.381	ug/l	94
70) Styrene	12.233	104	339636	19.390	ug/l	98
71) Bromoform	12.398	173	103494	18.539	ug/l #	100
73) Isopropylbenzene	12.521	105	547564	19.813	ug/l	98
74) N-amyl acetate	12.327	43	203063	19.436	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.769	83	186394	20.099	ug/l	98
76) 1,2,3-Trichloropropane	12.821	75	158861m	20.138	ug/l	
77) Bromobenzene	12.798	156	145899	19.504	ug/l	89
78) n-propylbenzene	12.863	91	583271	19.800	ug/l	97
79) 2-Chlorotoluene	12.945	91	367029	19.993	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	450461	20.039	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.569	75	51081	18.417	ug/l	98
82) 4-Chlorotoluene	13.045	91	344715	19.770	ug/l	94
83) tert-Butylbenzene	13.263	119	413388	19.985	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	452841	20.173	ug/l	100
85) sec-Butylbenzene	13.439	105	544595	20.311	ug/l	97
86) p-Isopropyltoluene	13.557	119	459339	20.109	ug/l	98
87) 1,3-Dichlorobenzene	13.557	146	250574	19.316	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	246534	18.752	ug/l	98
89) n-Butylbenzene	13.880	91	337596	18.659	ug/l	99
90) Hexachloroethane	14.151	117	79265	18.984	ug/l	87
91) 1,2-Dichlorobenzene	13.927	146	258159	19.271	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.539	75	42230	19.286	ug/l	86
93) 1,2,4-Trichlorobenzene	15.198	180	154977	19.008	ug/l	99
94) Hexachlorobutadiene	15.304	225	79757	18.557	ug/l	98
95) Naphthalene	15.433	128	542667	20.416	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	167705	19.900	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

